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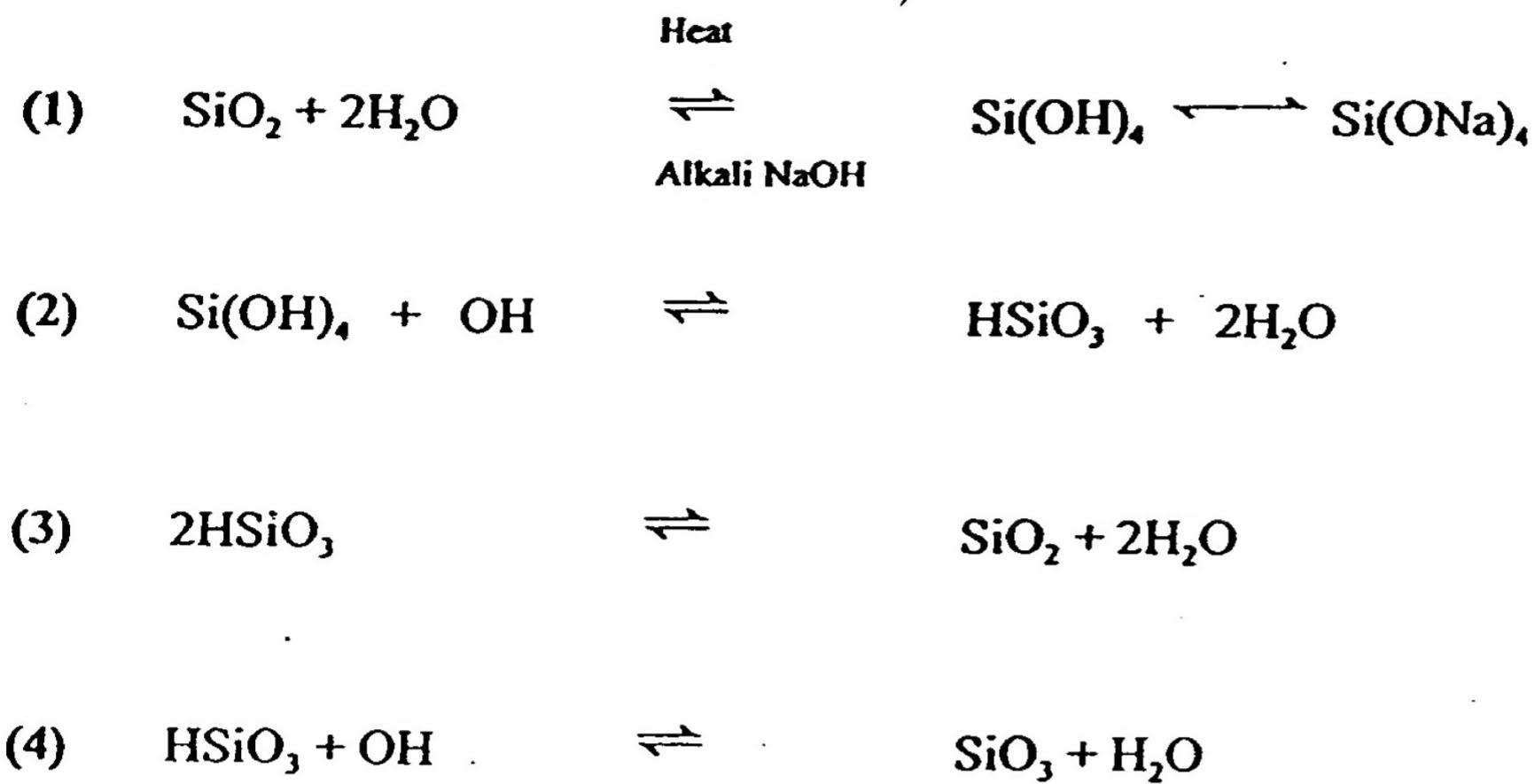


Fig. 1

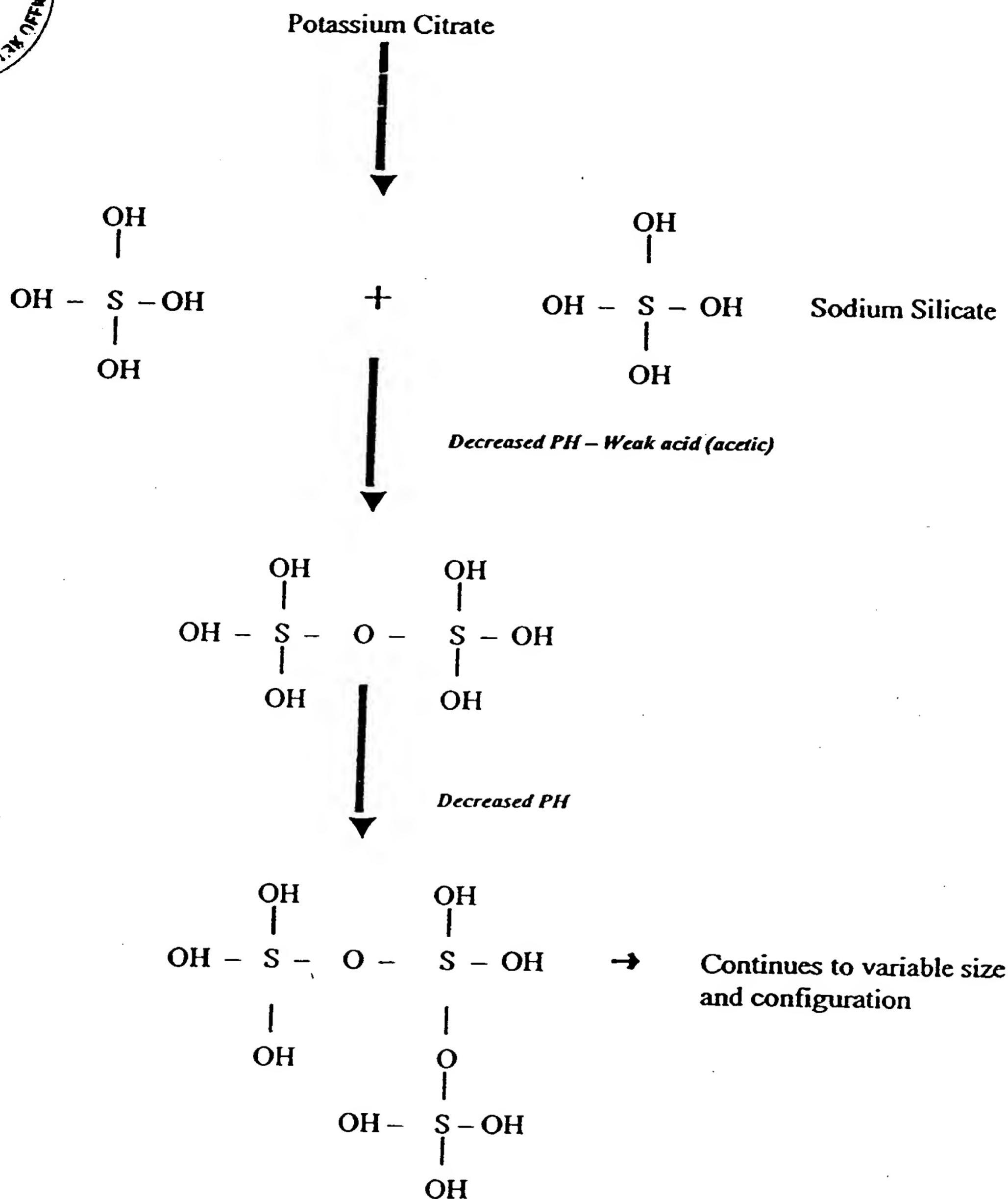


Fig. 2

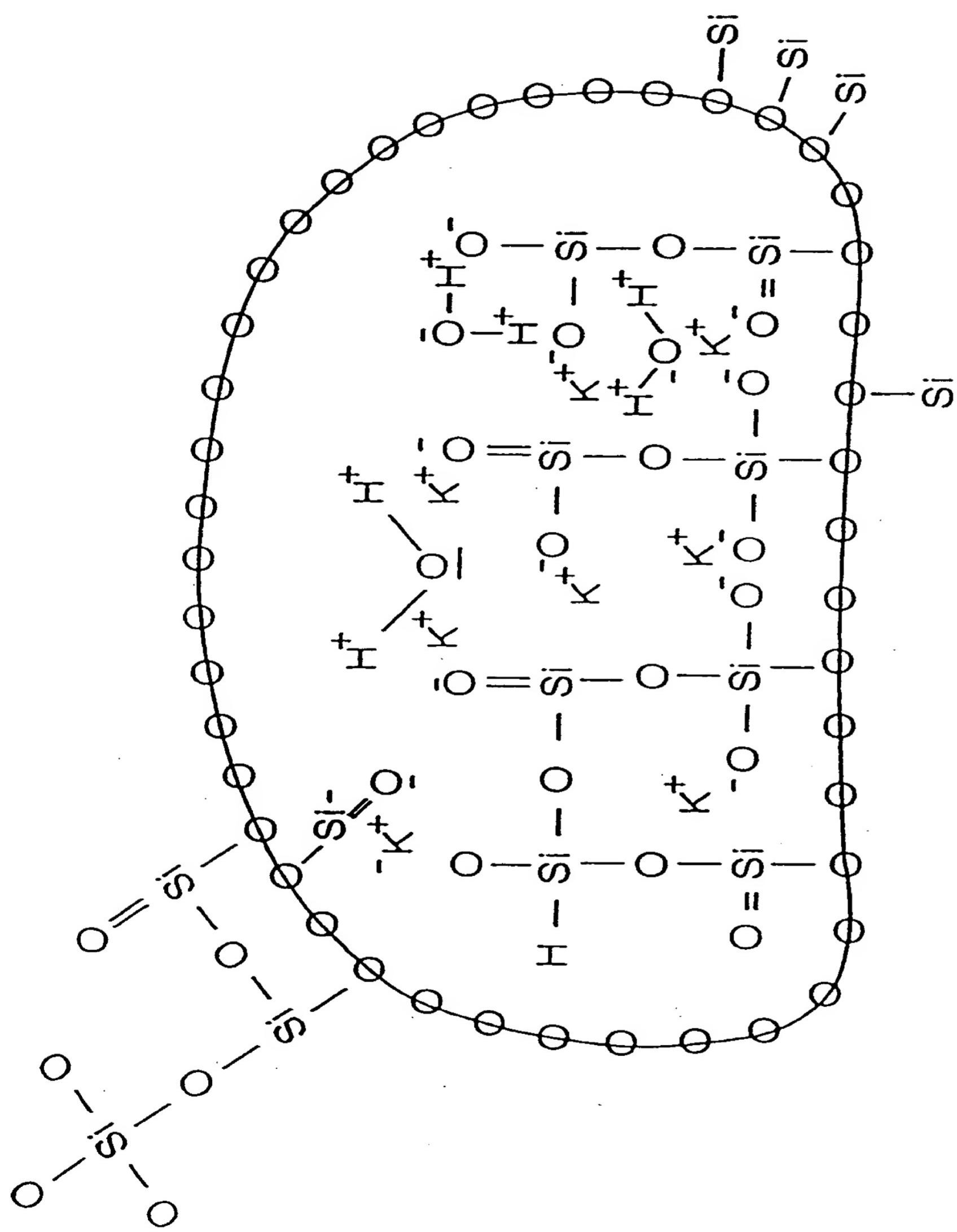


FIG. 3

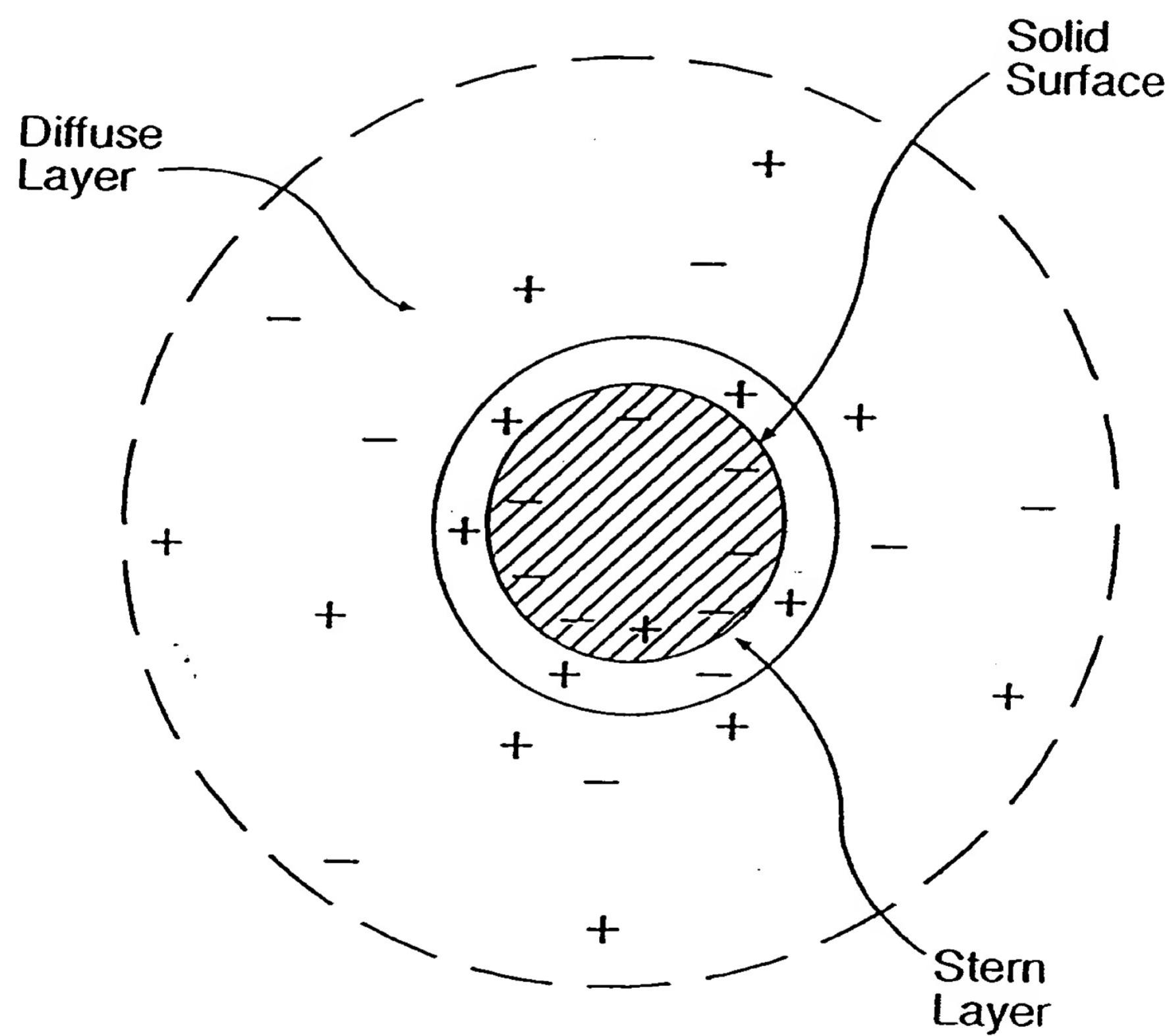


FIG. 4

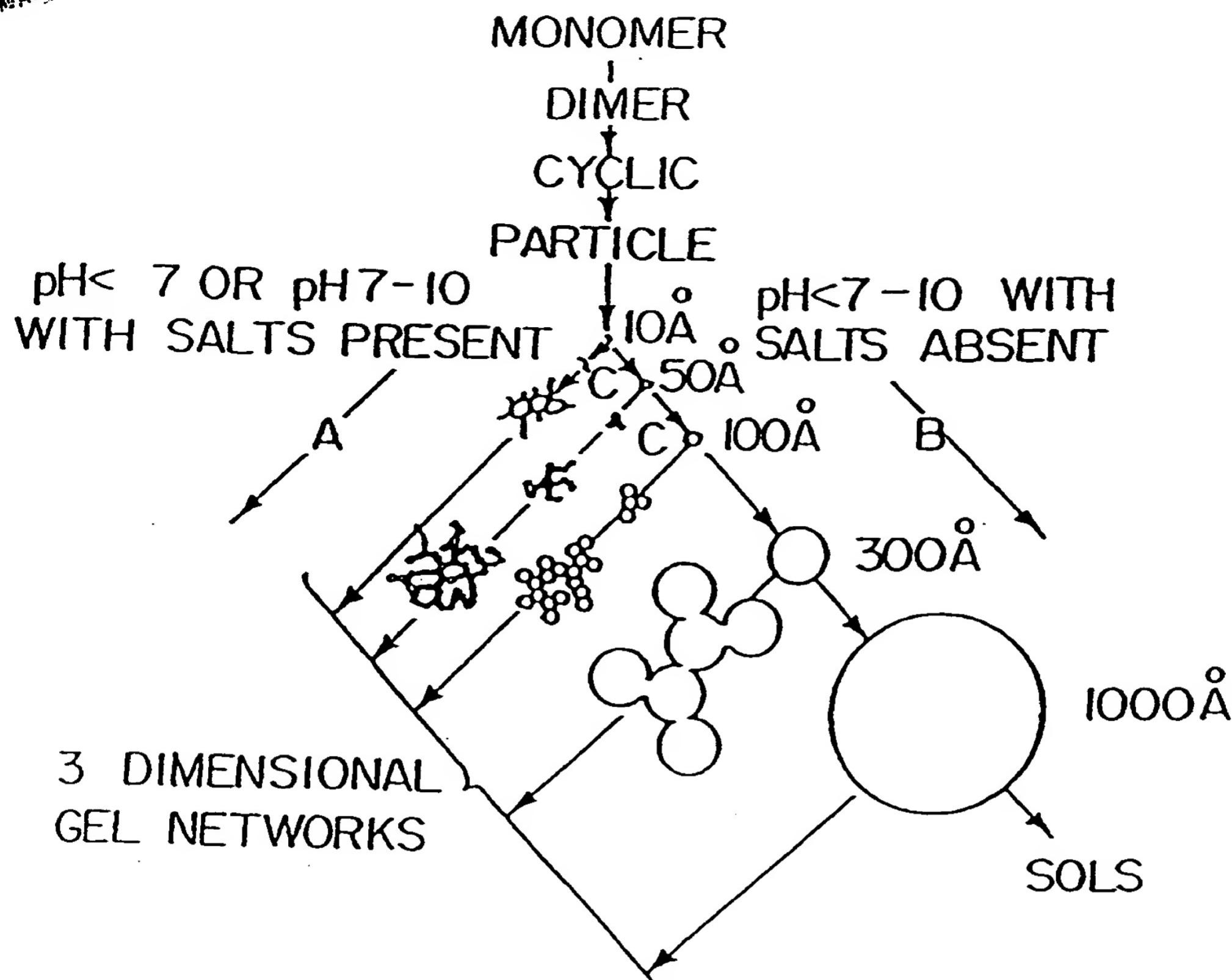
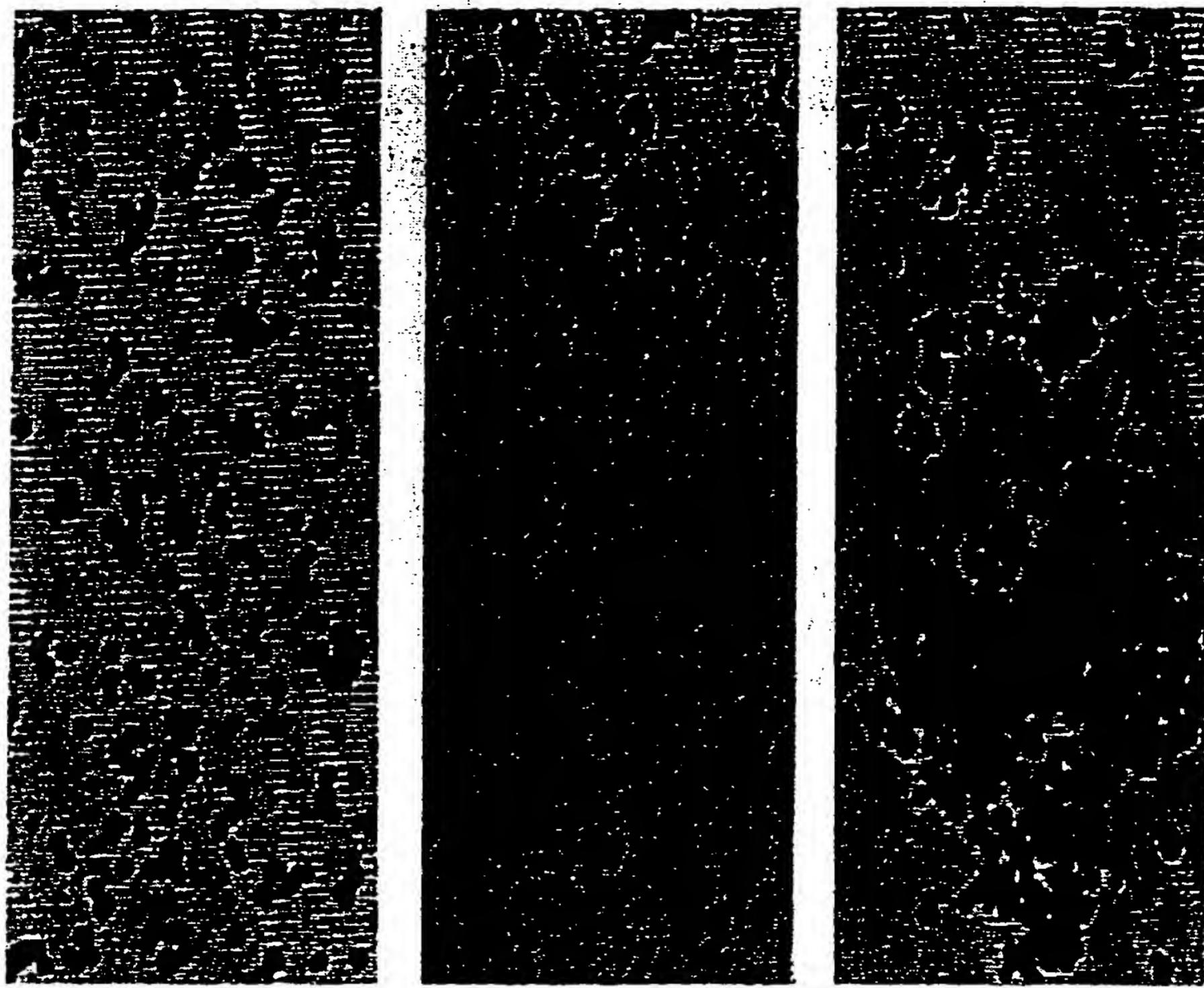


FIG. 5



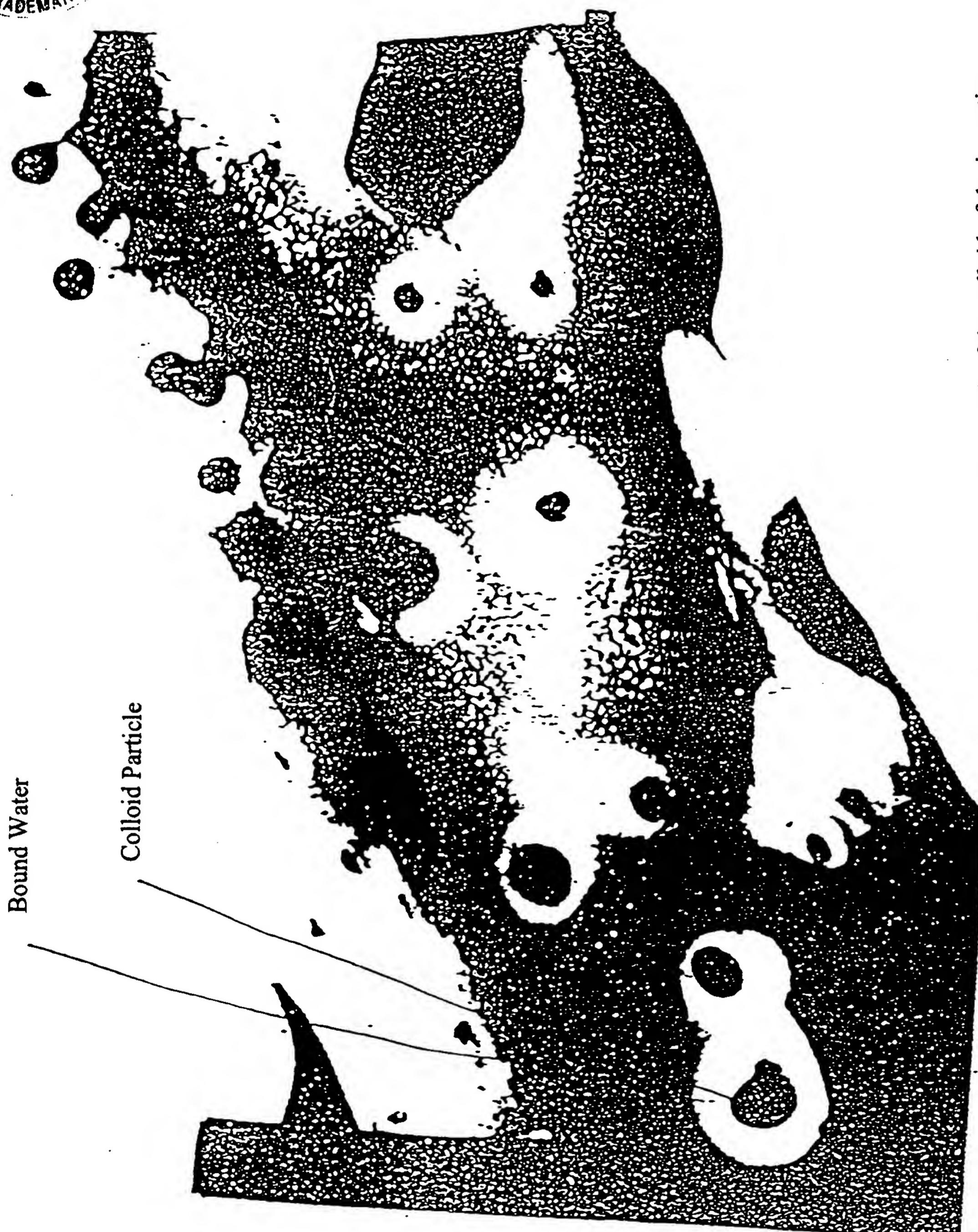
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Colloid Chemistry of Silica and Silicates

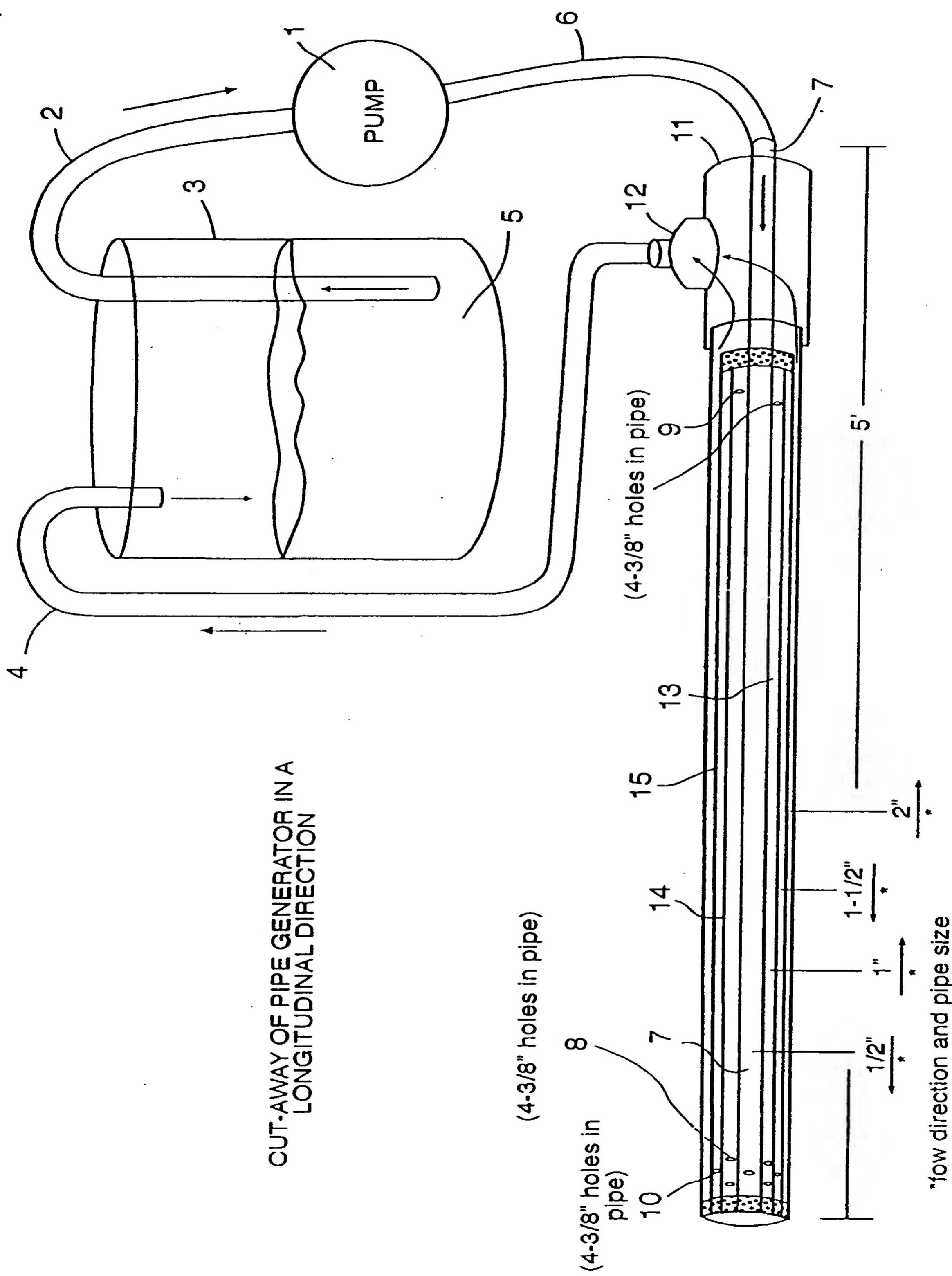


Electron micrographs showing stages of aggregation of 35 millimicron silica particles: *left*, colloidal aggregates; *center*, aggregates approaching colloidal size; *right*, supercolloidal aggregates or precipitate.

FIG. 6

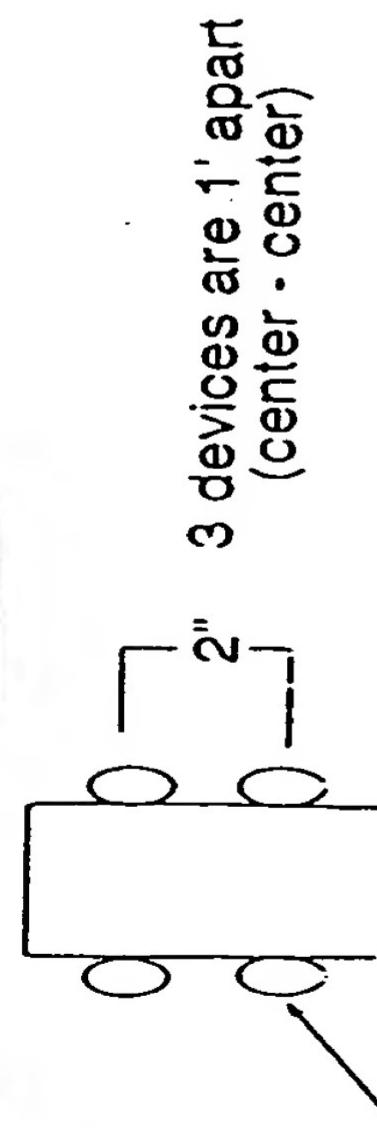


6A. Electron photomicrograph of the colloid of the invention.





SECTION OF GENERATOR

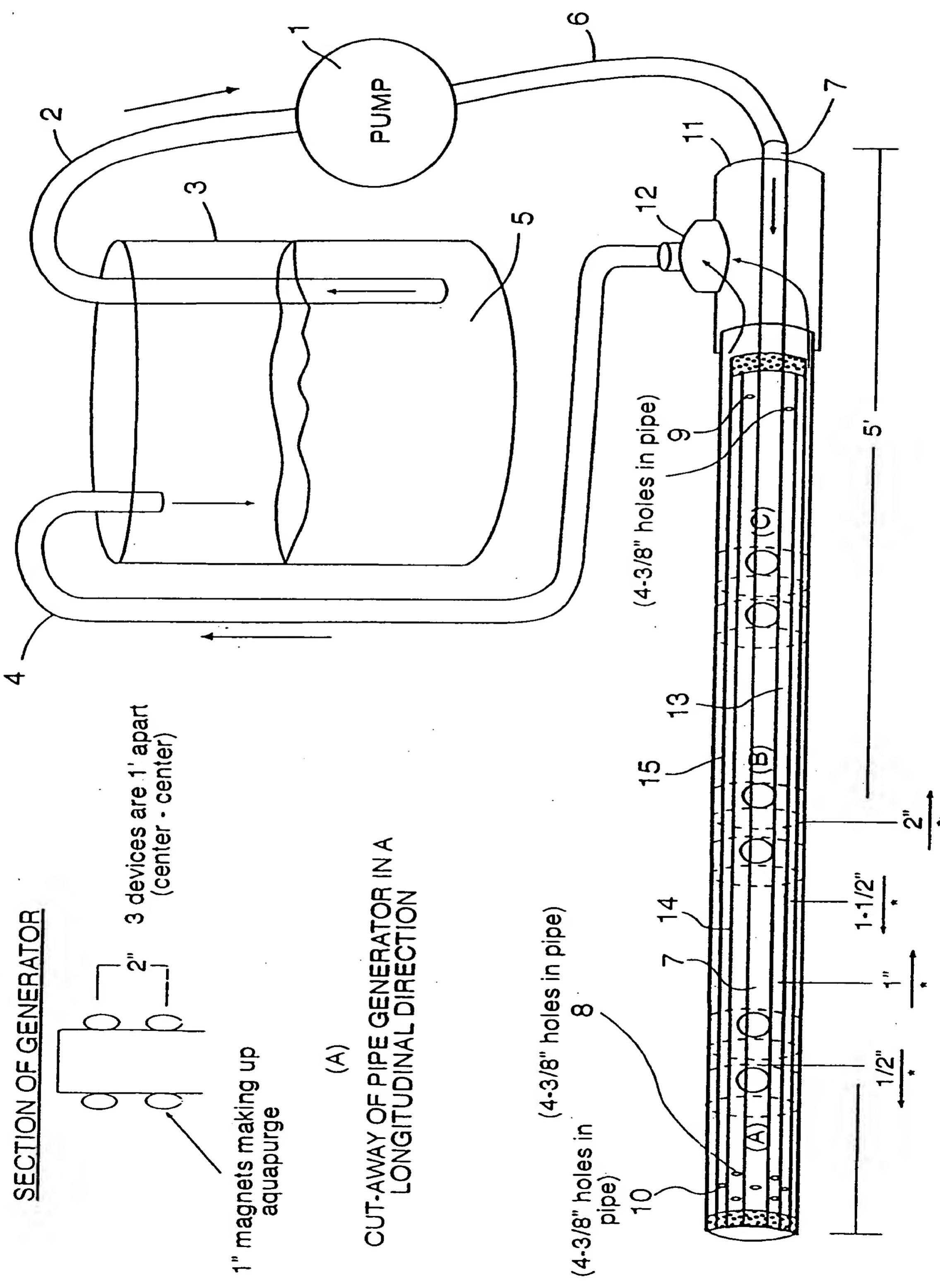


1" magnets making up
a quadriga

OR

3 devices are 1' apart
(center - center)

(A) CUT AWAY OF PIPE GENERATOR IN A
LONGITUDINAL DIRECTION

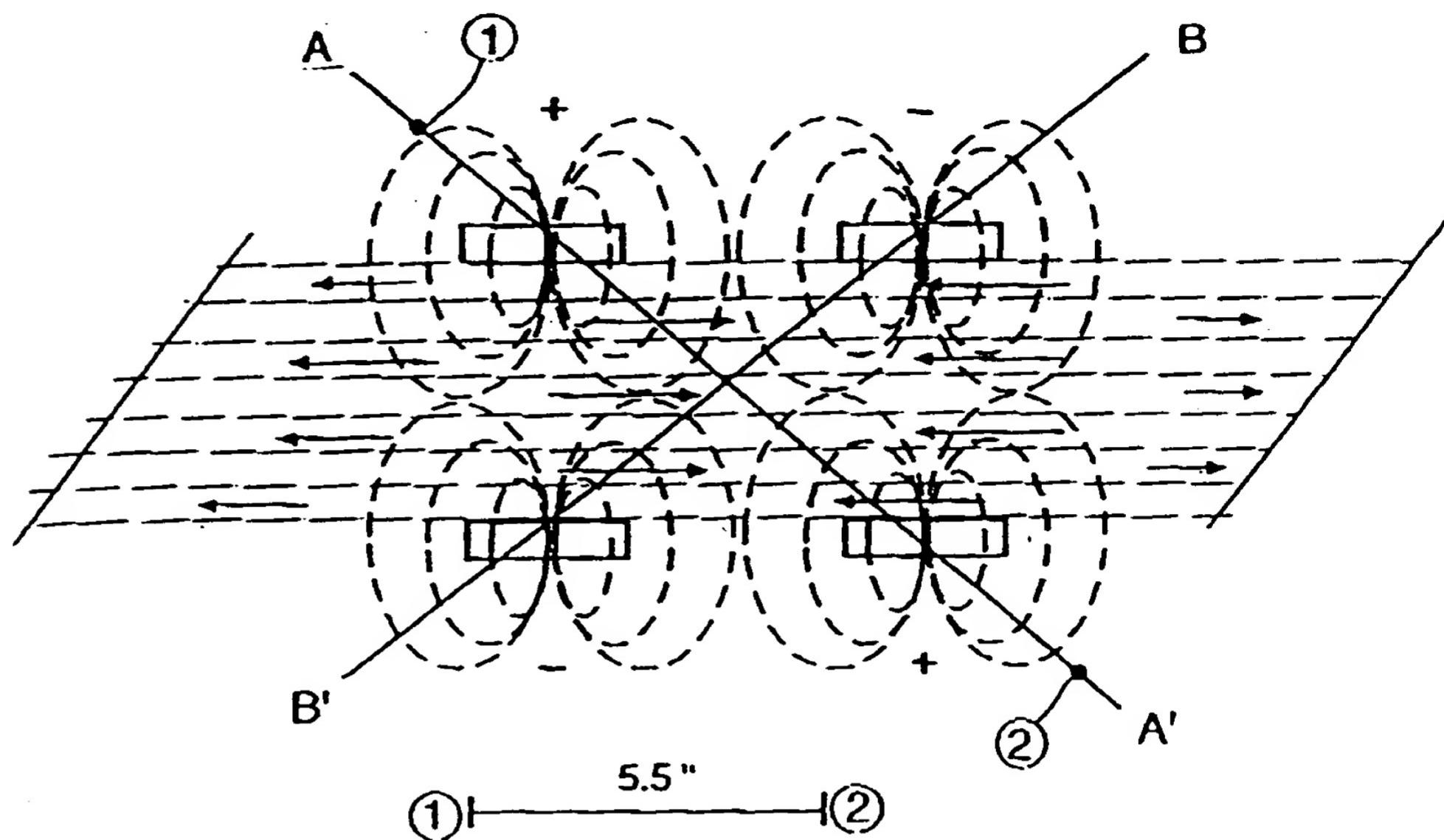


*flow direction and pipe size

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Cross sectional view of counter current generator of the invention with lines A-A' and B-B' noted for measurement purposes.



Plot of Gradients in "z" axis

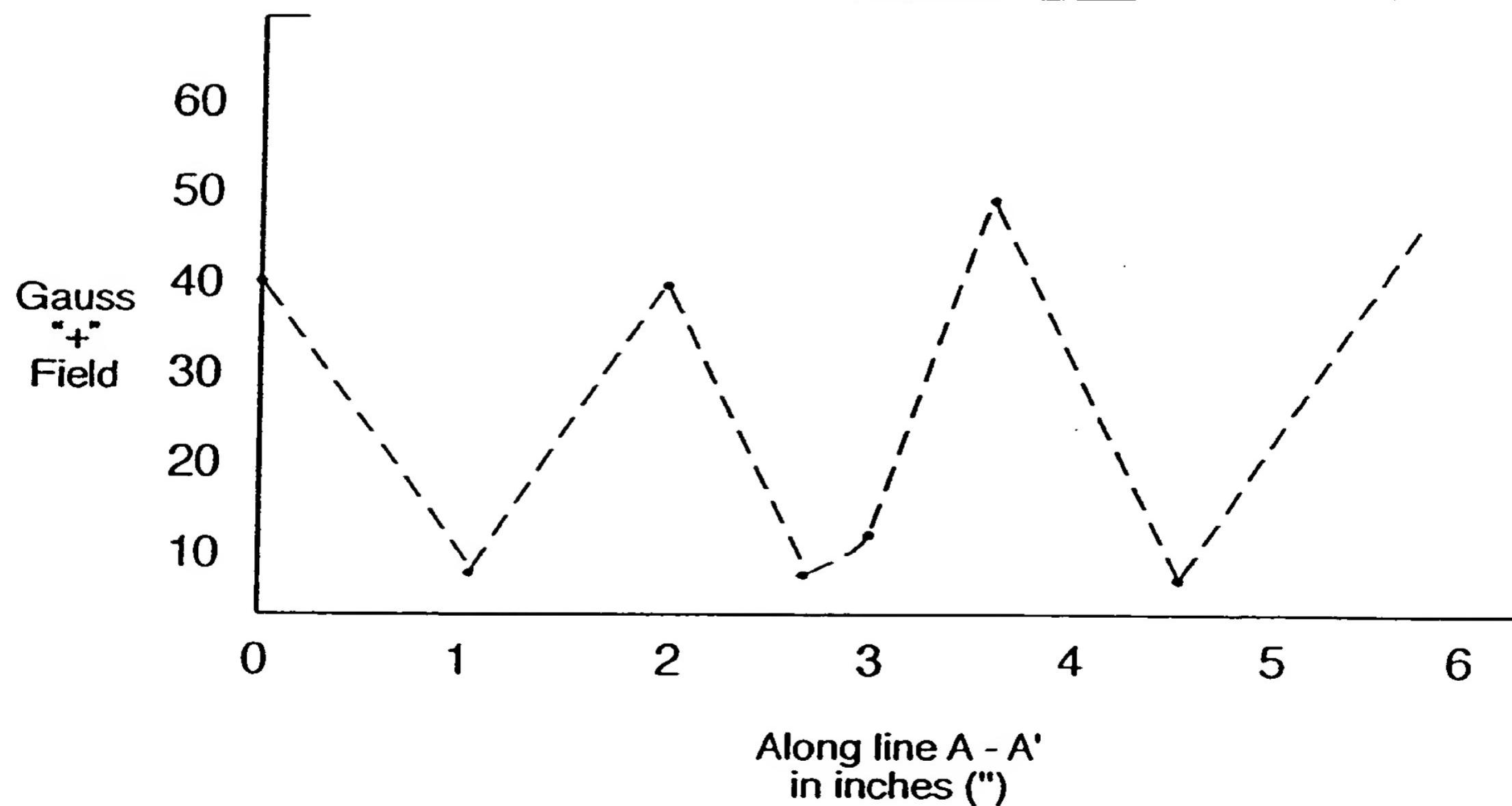


FIG. 9

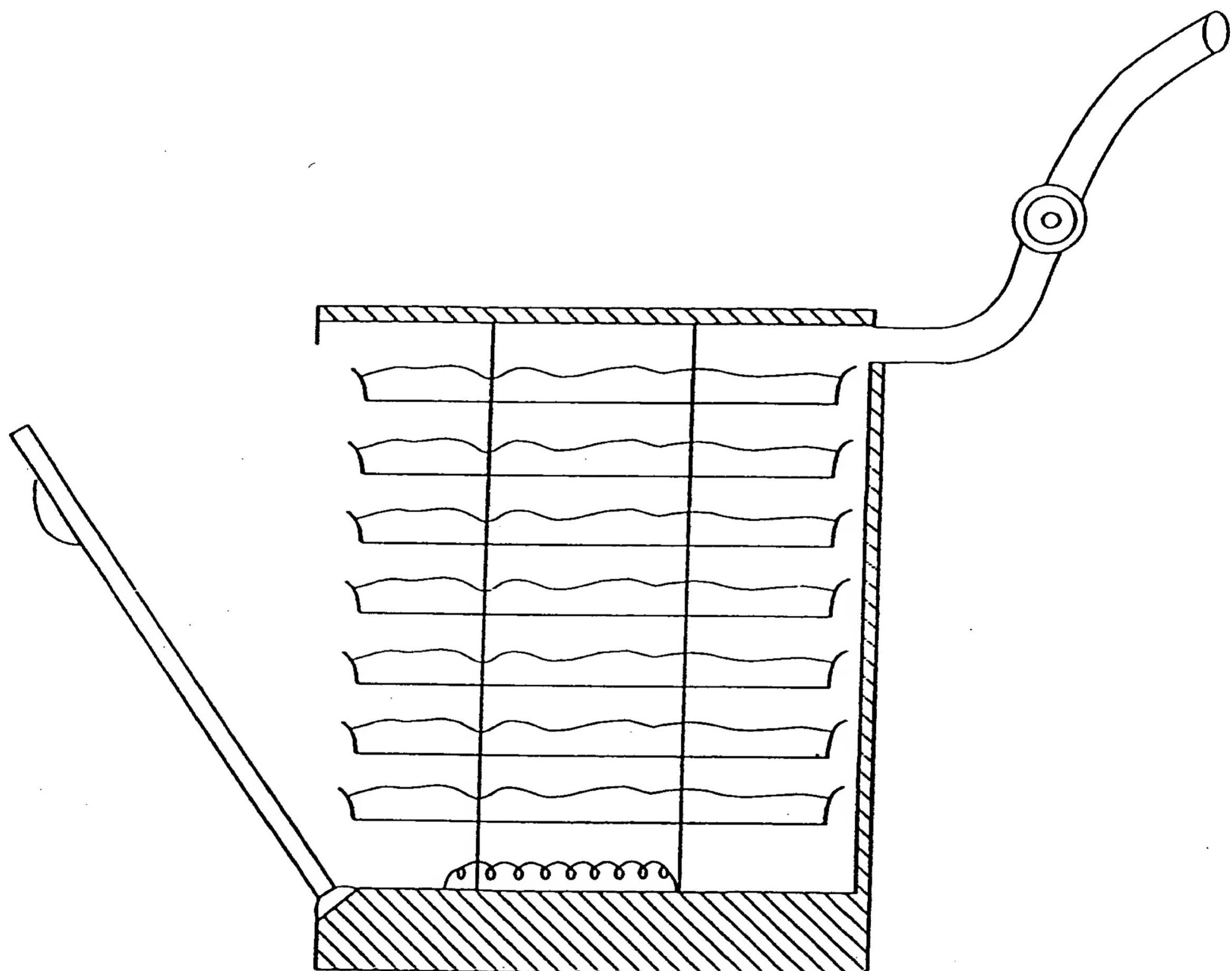


FIG. 10

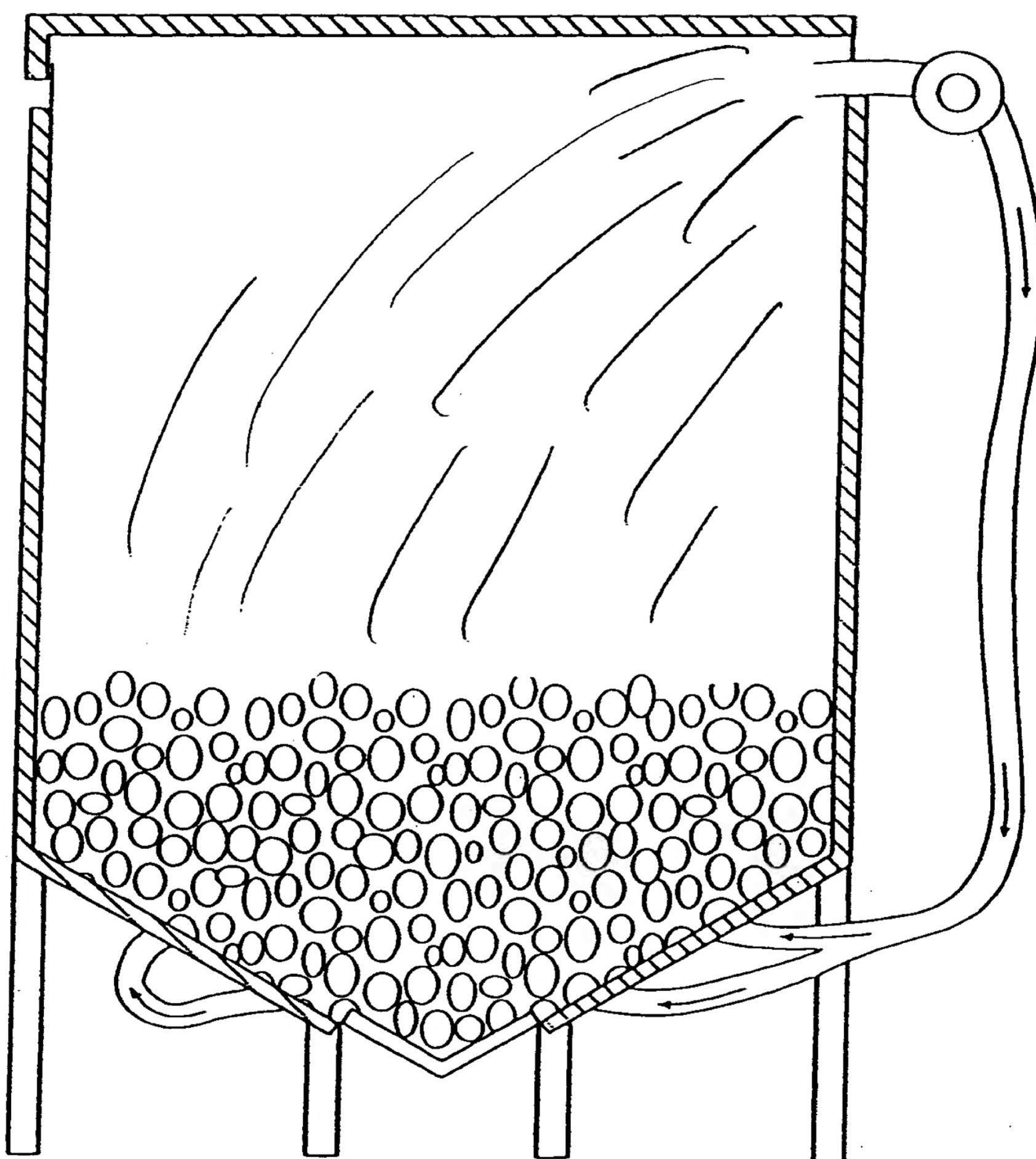


FIG. 11

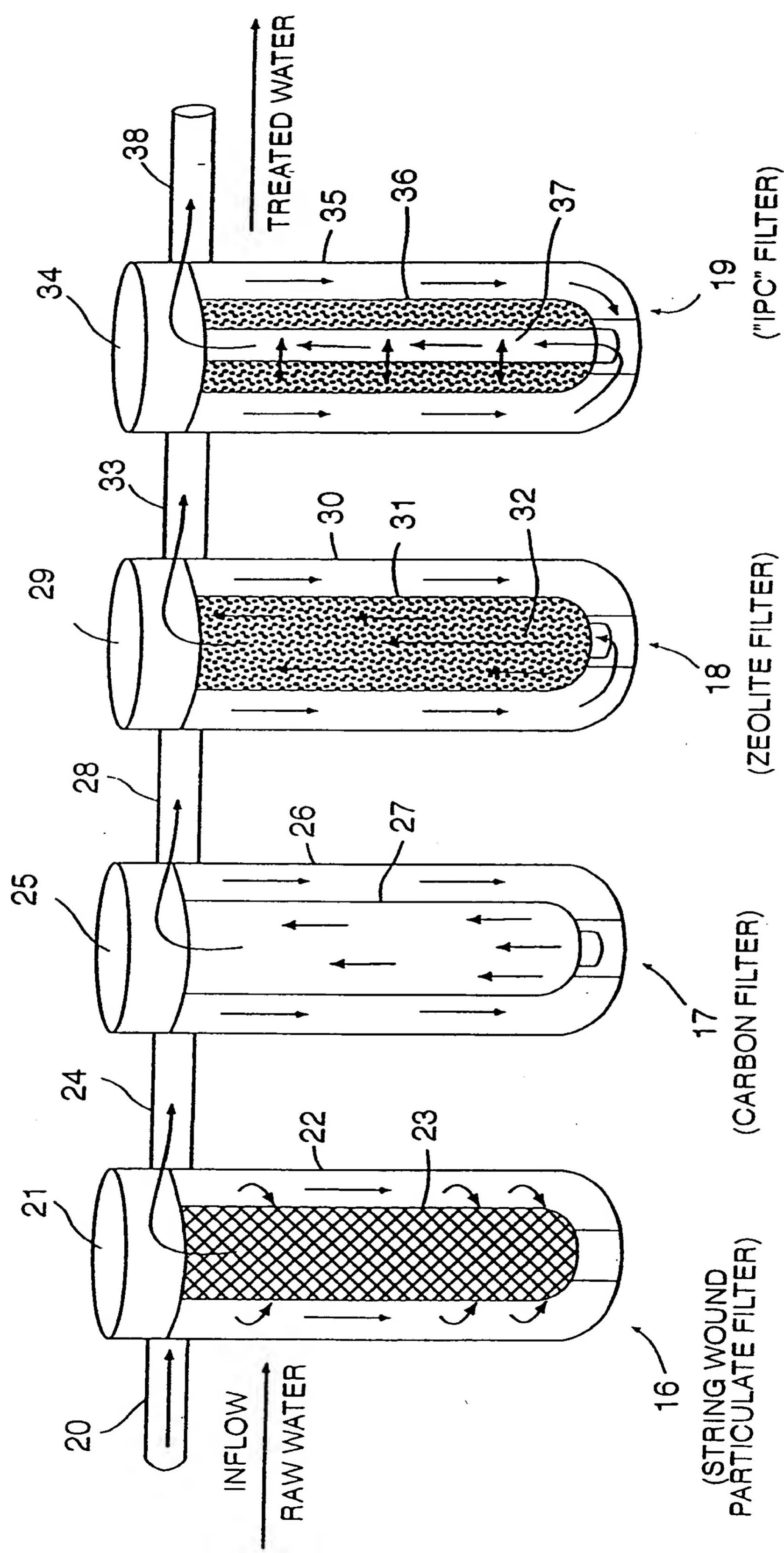


FIG. 12

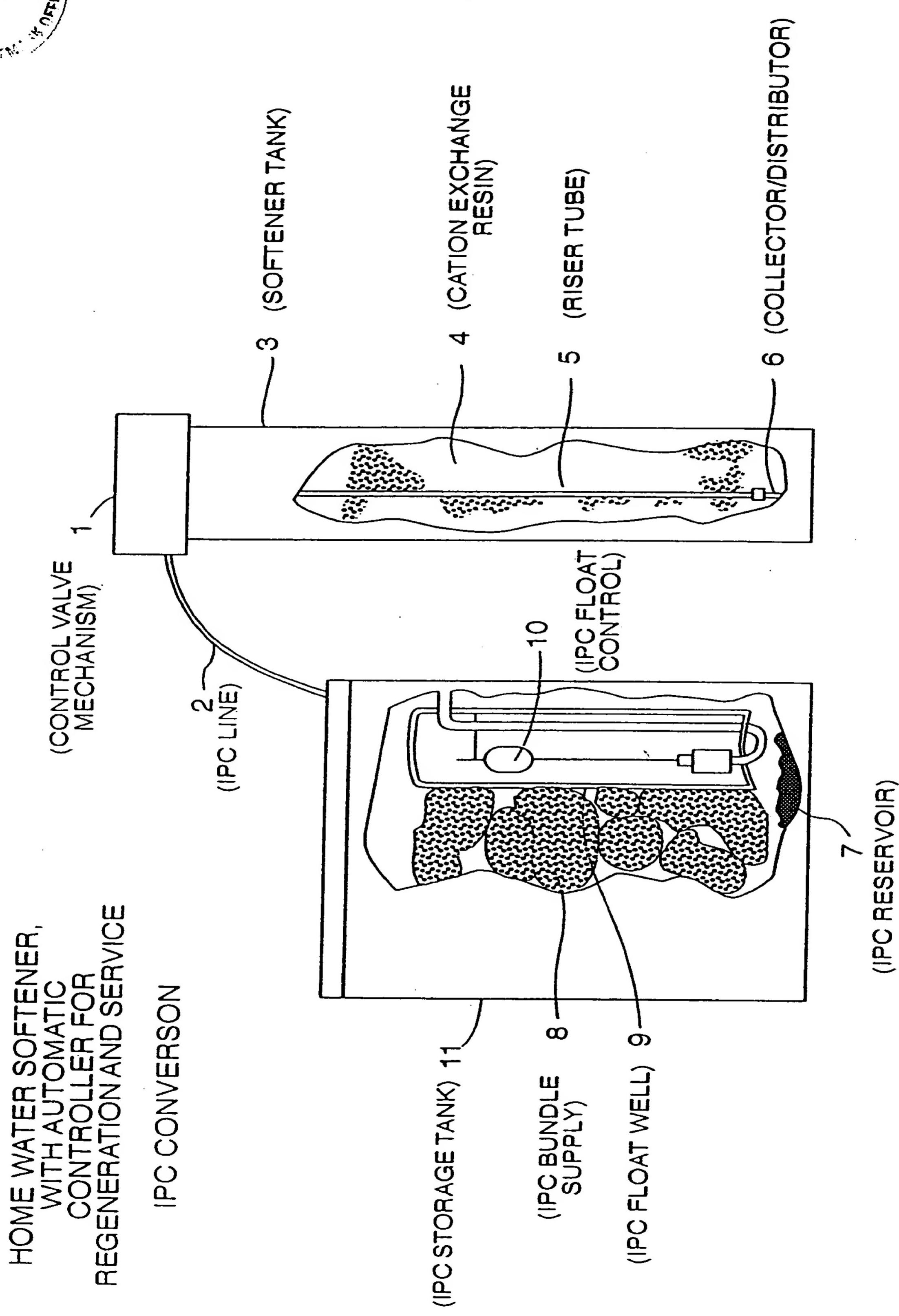
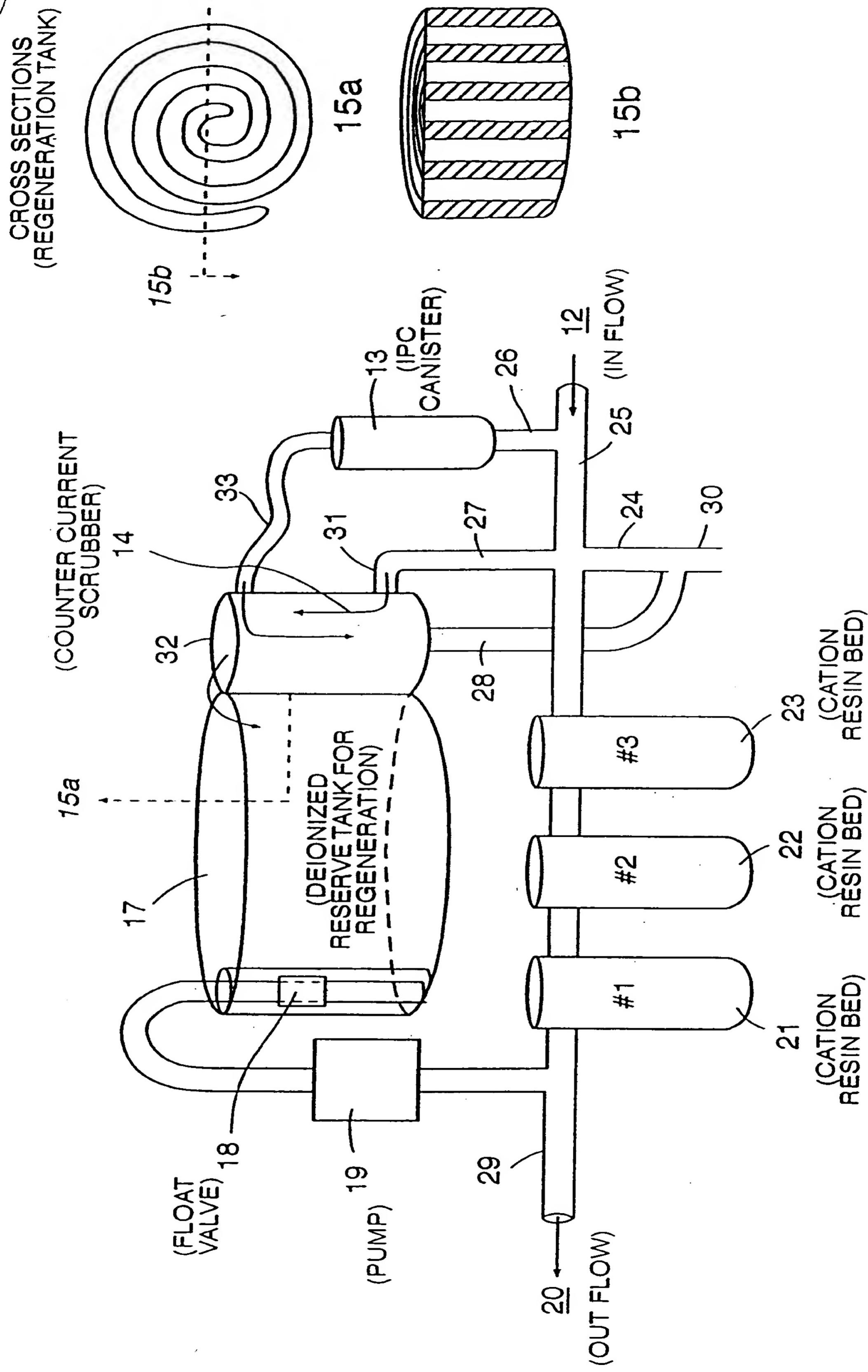
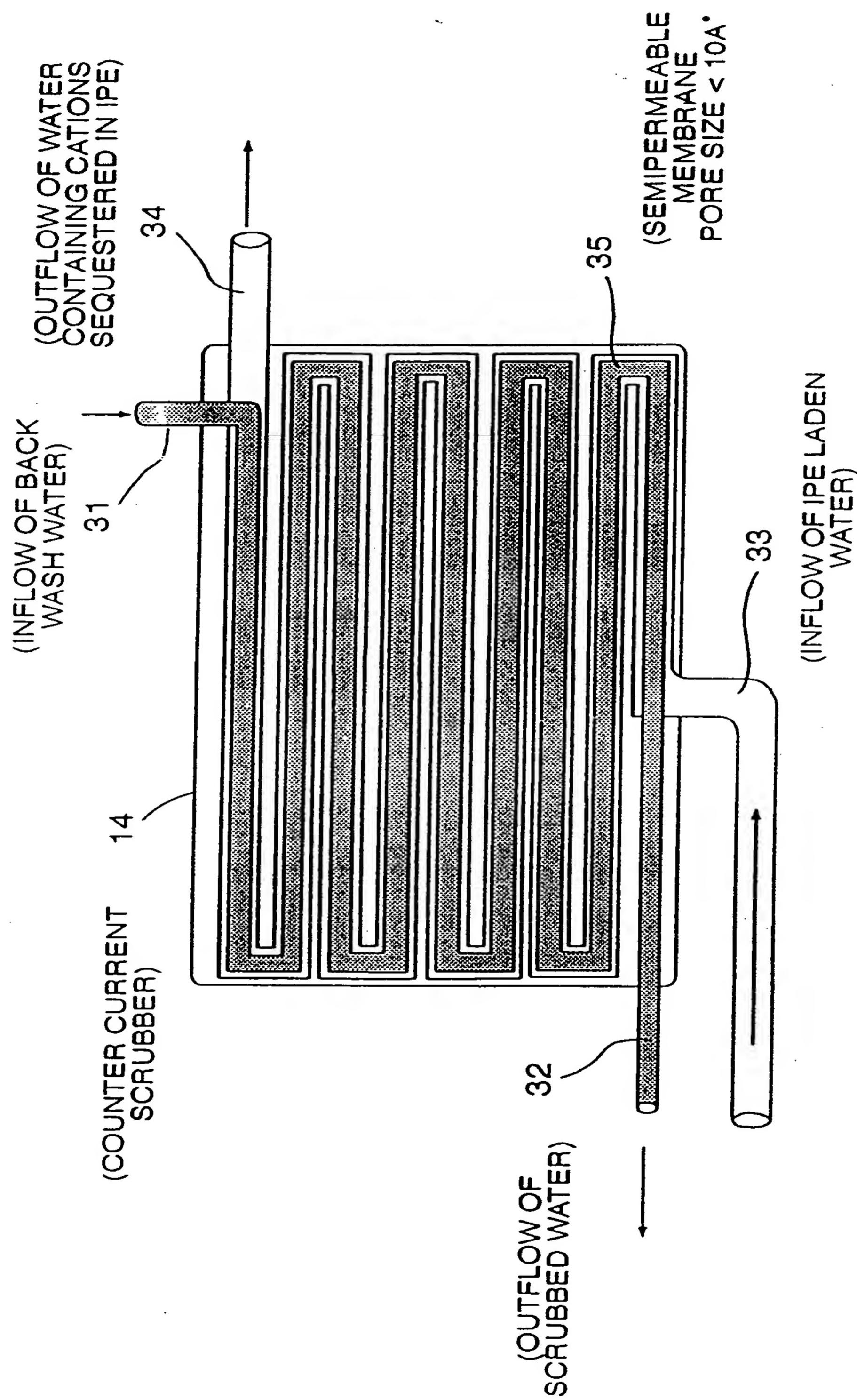
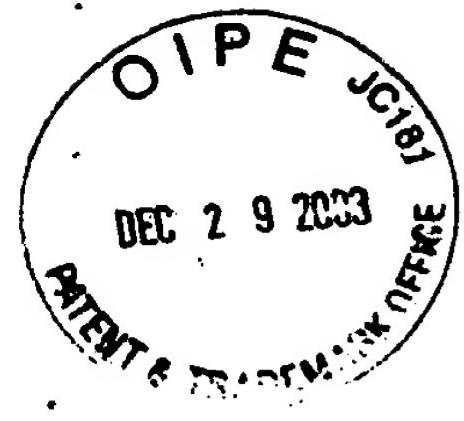


FIG. 14





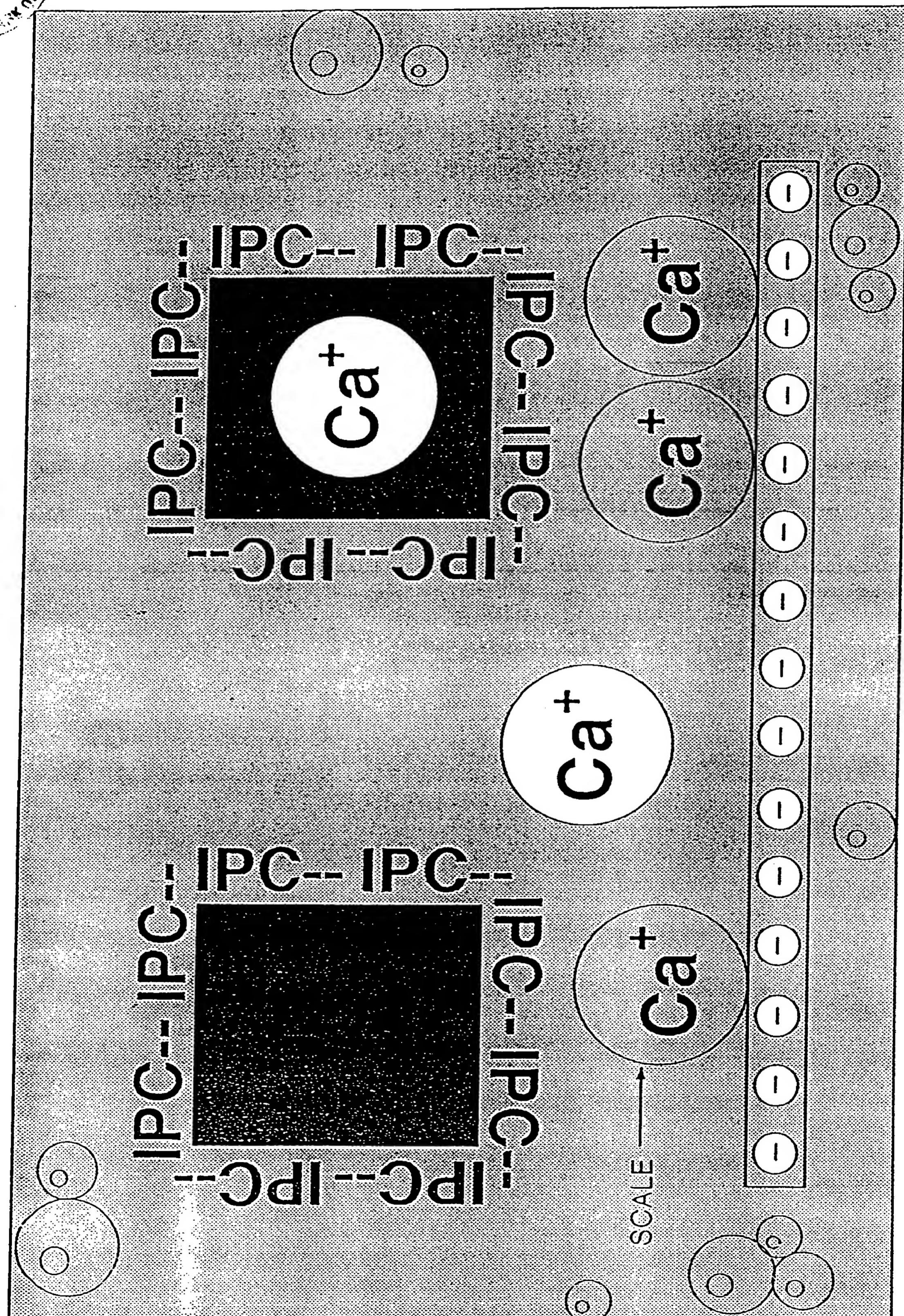
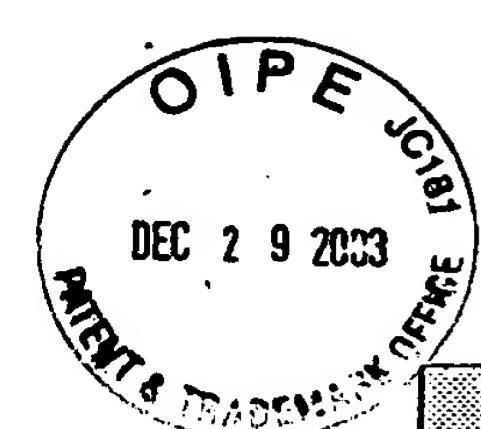


FIG. 17

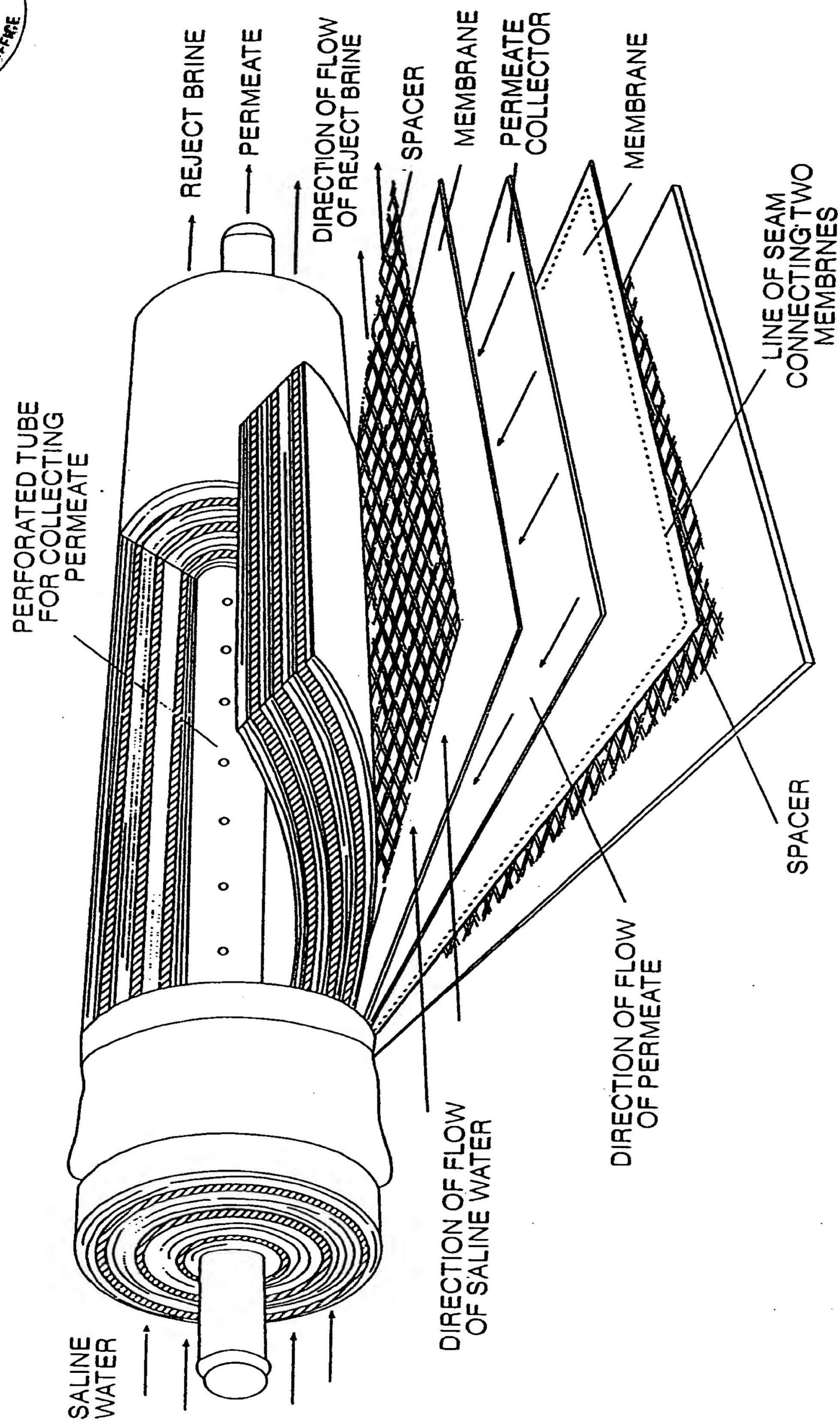
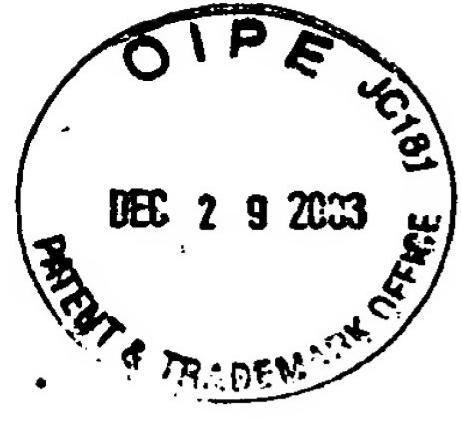


FIG. 18

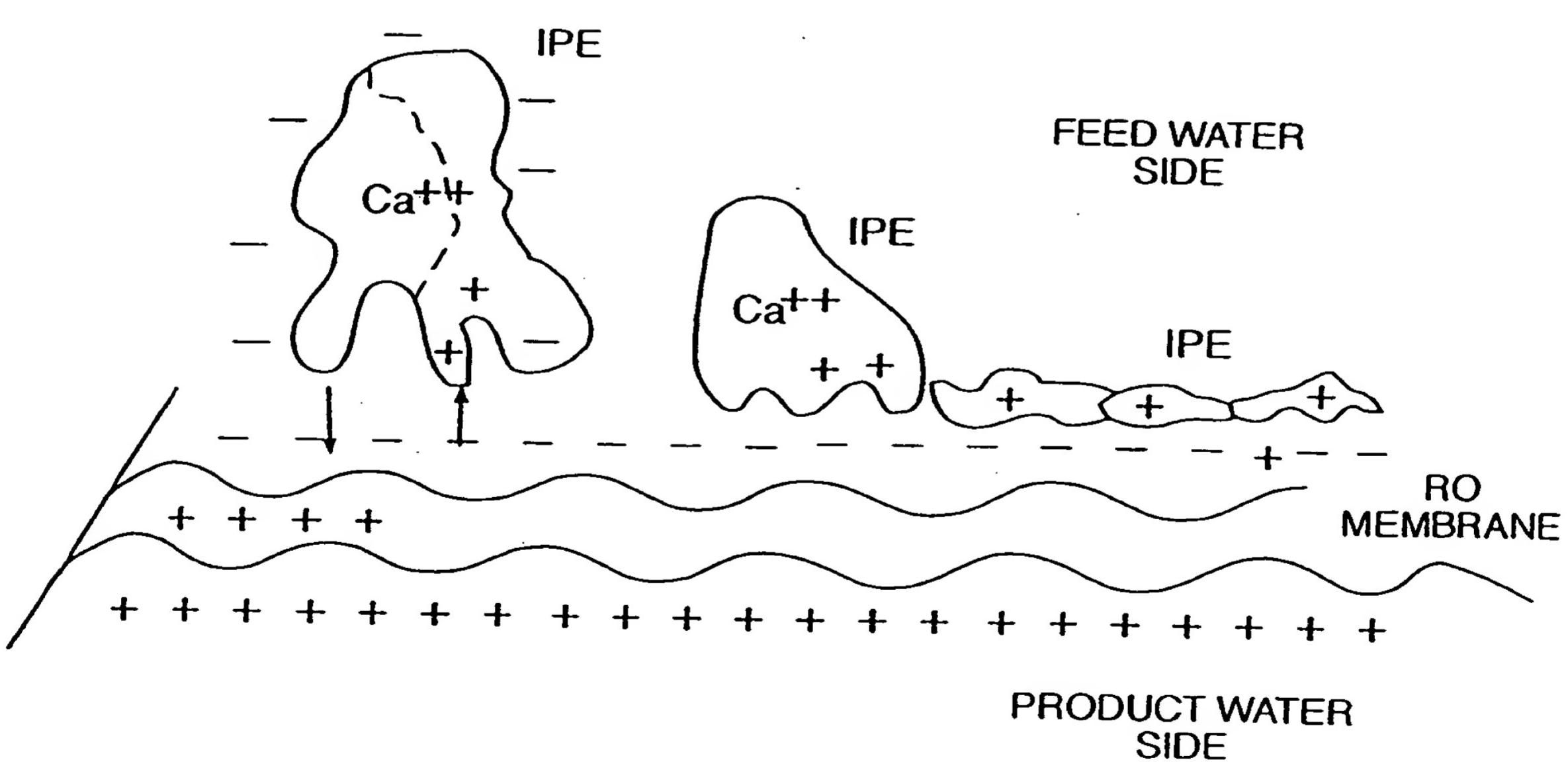
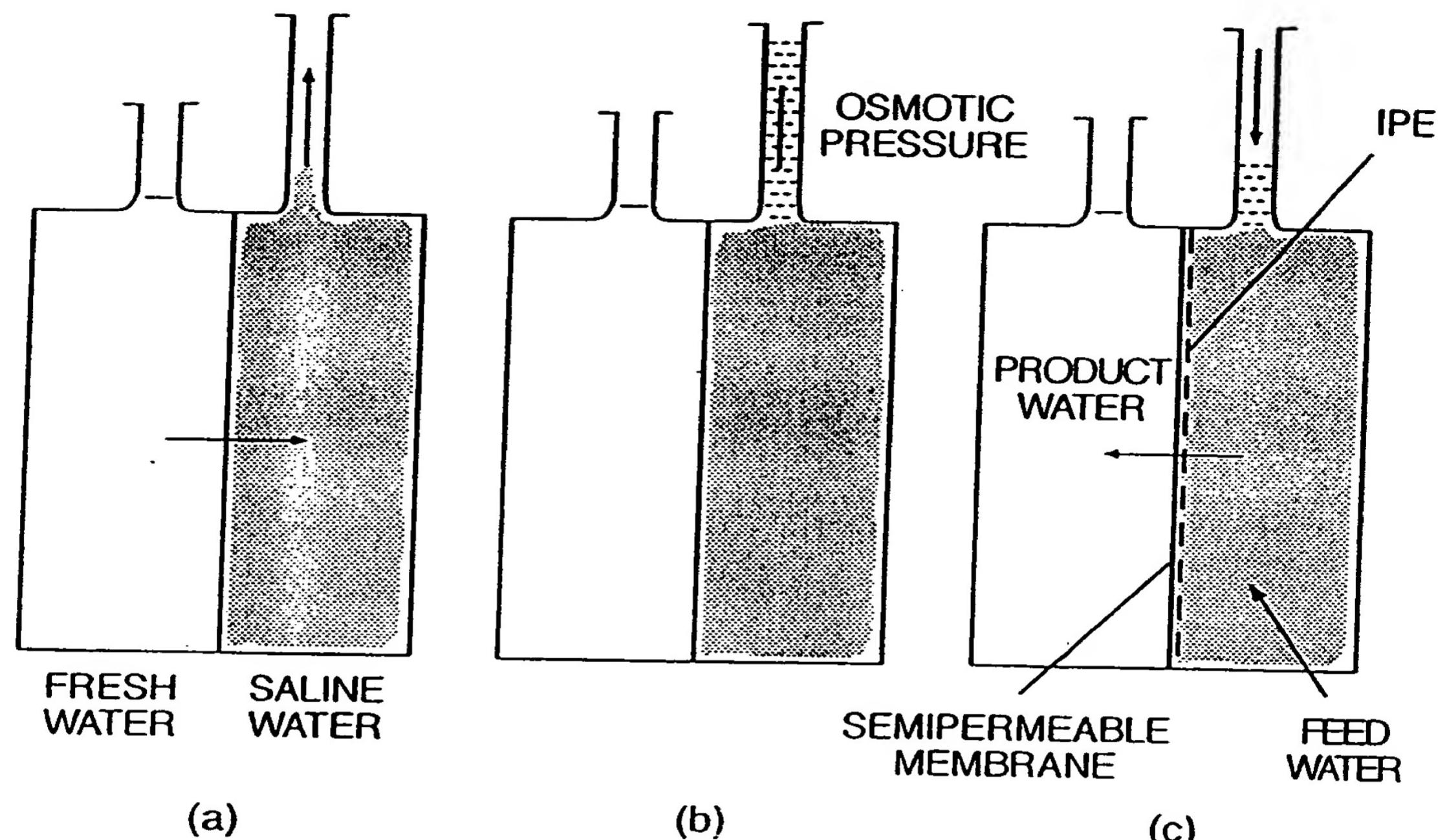


FIG. 19

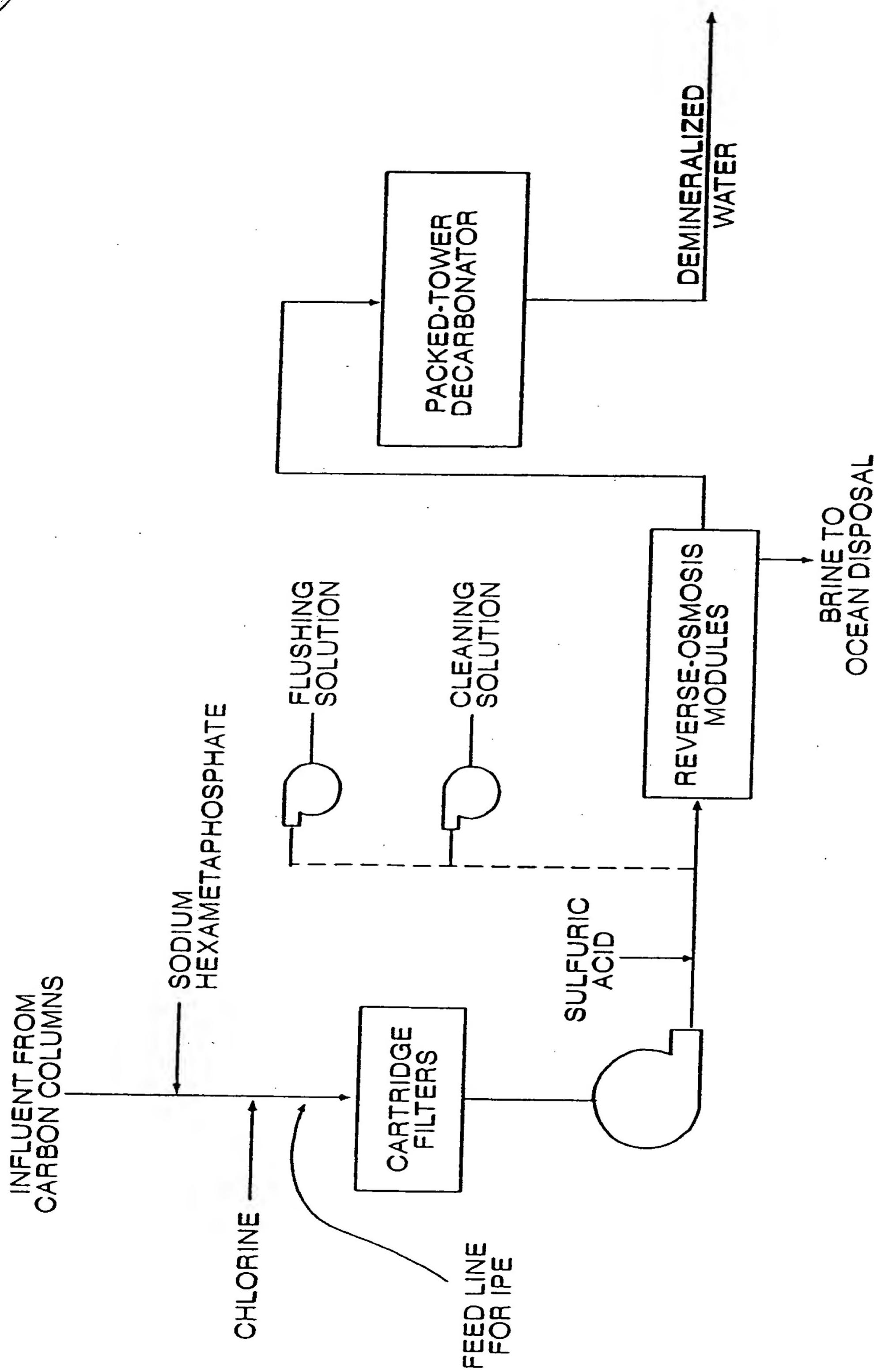


FIG. 20